

4-5K SCIENCE EXIT EXPECTATION BOXES

EARTH SCIENCE

WEATHER

- *Discover that wind is moving air and has strength and direction*

SPACE

- *Understand that we live on the planet Earth*
- *Identify that Earth is one of the many planets in the solar system*

CHANGES IN THE EARTH

- *Investigate how the observable properties of sand change when sand is mixed with water*
- *Show that sand takes the shape of the container it is in*
- *Observe that rocks come in many different shapes, colors, and sizes*
- *Know that water is found in many places*

PHYSICAL SCIENCE

SOUND AND LIGHT

- *Identify the primary colors of pigment as red, yellow, and blue*
- *Identify that the secondary colors green, orange, and purple are made by mixing primary colors*
- *Demonstrate that colors can be created in a variety of ways*

FORCES, MOTION, AND ENERGY

- *Explain that things move in different ways*
- *Explore that the position and motion of an object can be changed by pushing and pulling*
- *Observe that non-living things do not move by themselves*
- *Explore that the Sun supplies heat and light to Earth*

MATTER

- *Discover that objects and materials have similarities and differences*
- *Investigate water and how it can be compared to other liquids by observing properties of each*
- *Demonstrate how that water takes the shape of its container*
- *Observe that different objects sink and float in water*

ELECTRICITY AND MAGNETISM

- *Know that magnets can be used to make some things move without being touched*

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LIFE SCIENCE

ANIMALS

- *Classification*
 - Identify the many different types of animal grouping
- *Cycles*
 - Explore that animals need certain conditions for energy and growth
- *Characteristics*
 - Identify the characteristics of living and nonliving things
 - Know that animals closely resemble their parents
- *Behavior*
 - Show that animals have observable behavior

PLANTS

- *Characteristics*
 - Observe that most plants have stems, roots, leaves, flowers, and buds
 - Know that plants will closely resemble their parents
 - Know that people can use what they know about plant needs to care for plants
- *Life Cycles*
 - Explore that plants need certain conditions for energy and growth
 - Investigate how seeds sprout and how they grow into plants
- *Classification*
 - Discover that many kinds of seeds are found in the environment

ENVIRONMENT

- *Illustrate that water is a habitat*

HUMAN BODY

- *Observe that human bodies have similarities and differences*
- *Investigate how our ears allow us to hear sound differences, quality, and direction*
- *Investigate how our skin enables us to use our sense of touch*
- *Investigate how our eyes provide us with our sense of sight*